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Inventors: Mulligan-Kehoe, Mary Jo
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A method for producing a 34 kDa truncated plasmin proteolytic protein comprising combining plasminogen and rPAI-1₂₃ for a specified amount of time and adding uPA so that a 34 kDa truncated plasmin proteolytic protein is produced.

Claim 2 (original): A 34 kDa truncated plasmin proteolytic protein produced by the method of claim 1.

Claim 3 (original): A method for modulating the expression of a membrane type 1-matrix metalloproteinase comprising administering an effective amount of an plasminogen activator inhibitor type 1 isoform lacking a reactive center loop and containing a complete heparin-binding domain or lacking at least a portion of a heparin-binding domain so that the expression of a membrane type 1-matrix metalloproteinase is modulated.

Claim 4 (original): The method of claim 3, wherein the plasminogen activator inhibitor type isoform contains the heparin-binding domain and increases expression of a membrane type 1-matrix metalloproteinase.

Claim 5 (original): The method of claim 3, wherein the plasminogen activator inhibitor type isoform lacks a portion of the heparin-binding domain and decreases expression of a membrane type 1-matrix metalloproteinase.